

## ABSTRACT:

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A data-processing system comprises  
a microprocessor,  
a communication device communicating with an electronic module intended  
to apply a convention signal to the microprocessor, and a hardware circuit allowing inversion  
or no inversion of the order of bits of a word as a function of the value of the convention  
signal during transfer of the word between the electronic module and the microprocessor.

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Such a system allows a time gain during the operation of converting the bits of  
a word as a function of the convention used, which is beneficial for the real-time constraint.  
The system concerned may be used, for example, in a terminal using one or more cards of the  
SIM type, such as a mobile phone.

Fig. 1

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